

East Central Phoenix (ECP) 24th Street and Grand Canal

Boundaries:

The boundaries of the site approximate a circle about 400 feet in diameter, centered around Salt River Project (SRP) well 16E-6.8N. The actual center of the circle is approximately 30 feet to the east of 24th Street and ten feet to the north of the Grand Canal.

Site History:

- During routine monitoring, tetrachloroethene (PCE) was detected in SRP well 16E-6.8N at levels above the Arizona Aquifer Water Quality Standard (AWQS). The maximum PCE concentration was 9.9 micrograms per liter (µg/l) in December of 2002; the minimum PCE concentration was less than 0.5 µg/l in June of 1989. The source of the contamination is currently unknown.
- ADEQ monitors SRP 16E-6.8N in addition to several nearby groundwater monitor wells on a semi-annual basis.
- In May of 2000, the site was placed on the WQARF Registry with a score of 29 out of a possible 120.

Site Status:

- Groundwater sampling using passive diffusion bag samplers in the monitor wells is currently conducted on a quarterly basis.

Site Hydrogeology:

- The site is located within the West Salt River Valley sub-basin of the Phoenix Active Management Area (AMA). The Salt River Valley is an alluvial filled basin located in the Basin & Range physiographic province.
- The site is underlain by clayey and silty sands with minor sand lenses from ground surface to approximately 70 feet below ground surface (bgs). From approximately 70 to approximately 396 feet bgs, a gravelly clay unit exists. Decomposed granite is encountered at approximately 396 feet bgs, and competent granite is encountered at approximately 580 feet bgs, based on the boring log for SRP 16E-6.8N.
- Based on measurements during June 2003 from monitor wells along Thomas Road west of 24th Street, groundwater is encountered at approximately 85 feet bgs and groundwater flows to the southwest at a gradient of 0.008.

Contaminants:

The current contaminants of concern in groundwater include tetrachloroethene (PCE). Contaminants of concern at the site may change as new data become available.

Public Health Impact:

Salt River Project (SRP) occasionally pumps well 16E-6.8N for irrigation use. However, SRP monitors the well for contamination and will cease using the well if contamination is detected above allowable standards.

Community Involvement Activities:

A community advisory board will be formed when a remedial investigation is initiated at the site. A fact sheet was distributed to all residences in the site mailing area in April 2003.

Information Repository:

Interested parties can review site information at the ADEQ main office located at 1110 West Washington Street, Phoenix. Site information is available for review Monday through Friday from 8 a.m. to 5 p.m. To arrange for a time to review the public site file, please call the ADEQ Records Center (602) 771-4380 or (800) 234-5677 (Arizona toll free).

Contacts:

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*In Arizona, but outside the Phoenix area, call toll-free at (800) 234-5677.